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Listing of the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application. There are no claim amendments.

Claim 1 (Original) A compound of formula I:

$$R^{14}$$

$$O > S - N$$

$$O > I$$

wherein R⁴ is selected from:

$$-CH=C_{\mathcal{H}} \xrightarrow{\text{CH}-\text{N}-\text{R}^3} \text{ and } -CH=C_{\mathcal{H}} \xrightarrow{\text{CO-Z}} \text{CO-Z}$$

X represents H, halogen, CN or methyl;

 R^1 represents H or C_{1-4} alkyl which is optionally substituted with OH or C_{1-4} alkoxy; or R^1 and R^2 together complete a heterocyclic ring of 3-7 members bearing 0-2 substituents, in addition to R^3 , selected from halogen, oxo, NO₂, CN, CF₃, C_{1-6} alkyl, C_{2-6} acyl, C_{2-6} alkenyl, C_{1-6} alkoxy, C_{1-6} alkoxycarbonyl and Ar;

when R^1 represents H or optionally substituted C_{1-4} alkyl, R^2 and R^3 independently represent H, C_{1-10} alkyl, C_{3-10} cycloalkyl, C_{3-6} cycloalkyl C_{1-6} alkyl, C_{2-10} alkenyl, C_{2-10} alkynyl, Ar, heterocyclyl, or heterocyclyl C_{1-6} alkyl, wherein the alkyl, cycloalkyl, alkenyl and alkynyl groups optionally bear one substituent selected from halogen, CF_3 , NO_2 , CN, Ar, Ar CH_2O , ArO, $-OR^{11}$, $-SR^{11}$, $-SO_2R^{12}$, $-COR^{11}$, $-CO_2R^{11}$, $-CON(R^{11})_2$, $-OCOR^{12}$, $-N(R^{11})_2$ and $-NR^{11}COR^{12}$; and the heterocyclic groups optionally bear up to 3 substituents independently selected from halogen, NO_2 , CN, R^{12} , Ar, Ar CH_2O , ArO, Ar OCH_2 , $-OR^{11}$, $-SO_2R^{12}$, $-COR^{11}$, $-CO_2R^{11}$, $-CON(R^{11})_2$, $-OCOR^{12}$, $-N(R^{11})_2$ and $-NR^{11}COR^{12}$;

or R² and R³ together with the nitrogen to which they are mutually attached complete a monoor bicyclic heterocyclic ring system of 5-10 ring atoms selected from C, N, O and S, said ring system optionally having an additional benzene or heteroaryl ring fused thereto, said heterocyclic system and

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optional fused ring bearing 0-3 substituents independently selected from halogen, oxo, NO2, CN, R¹², Ar, ArCH₂O, ArO, ArOCH₂, -OR¹¹, -SR¹¹, -SO₂R¹², -COR¹¹, -CO₂R¹¹, -CON(R¹¹)₂, -OCOR¹², -N(R¹¹)₂ and -NR¹¹COR¹²;

and when R¹ completes a ring with R², R³ represents H, C₁₋₆alkyl, C₂₋₆acyl, C₂₋₆alkenyl or benzyl;

m is 0 or 1, with the proviso that when m is 1 neither R² nor R³ is H and R³ is not acyl, and that m is 1 when X and R¹ are both H;

R¹¹ represents H or R¹²;

R¹² represents C₁₋₆alkyl which optionally bears up to 3 halogen substituents or one substituent selected from CN, OH, C₁₋₄alkoxy and C₁₋₄alkoxycarbonyl;

Y represents halogen, CN or methyl;

Z represents OR¹¹ or N(R⁵)R⁶;

R⁵ and R⁶ have the same definition as R² and R³ in the embodiment in which R¹ is H or optionally substituted C₁₋₄alkyl;

R¹⁴ represents H or C₁₋₆alkyl, C₃₋₇cycloalkyl, C₃₋₆cycloalkylC₁₋₆alkyl, C₂₋₆alkenyl, C₂₋₆alkynyl, phenyl or benzyl, any of which optionally bear up to 3 halogen substituents or one substituent selected from CN, NO₂, OH, C₁₋₄alkoxy, CO₂H, C₁₋₄alkoxycarbonyl, C₂₋₆acyl, C₂₋₆acyloxy, amino, C₁₋₄alkylamino, di(C₁₋₄alkyl)amino, C₂₋₆acylamino, carbamoyl, C₁₋₄alkylcarbamoyl and di(C₁₋₄ 4alkyl)carbamoyl; and

Ar represents phenyl or heteroaryl either of which optionally bears up to 3 substituents independently selected from halogen, CF₃, NO₂, CN, OCF₃, C₁₋₆alkyl and C₁₋₆alkoxy; or a pharmaceutically acceptable salt thereof.

Claim 2 (Original) A compound according to claim 1 of formula II:

$$\begin{array}{c|c}
R^{14} & & & X & (O)_m \\
O & & & & \\
O & & & \\
O & & & \\
O & & & & \\
O & & \\
O & & \\
O & & \\
O & & & \\
O & &$$

II

or a pharmaceutically acceptable salt thereof.

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Claim 3 (Original) A compound according to claim 2 wherein R¹ and R² complete a heterocyclic ring of 5 or 6 atoms and R³ represents H, C₁₋₆alkyl, C₂₋₆acyl or benzyl.

Claim 4 (Original) A compound according to claim 2 wherein R^1 is H or optionally substituted C_{1-4} alkyl and R^2 and R^3 complete a heterocyclic ring system.

Claim 5 (Original) A compound according to claim 4 wherein R^{14} is 2,2,2-trifluoroethyl, X is F, CN or methyl, and R^{1} is H.

Claim 6 (Original) A compound according to claim 4 wherein m is 1 and X and R¹ are both H.

Claim 7 (Original) A compound according to claim 1 of formula III:

or a pharmaceutically acceptable salt thereof.

Claim 8 (Original) A compound according to claim 7 wherein Y represents F, CN or methyl and Z represents OH, C₁₋₆alkoxy or N(R⁵)R⁶.

Claim 9 (Original) A compound according to claim 8 wherein R^{14} represents 2,2,2-trifluoroethyl and Z represents ethoxy.

Claim 10 (Previously Presented) A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutical carrier.

Claim 11-12 (Cancelled)

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Claim 13 (Previously Presented) A method of treatment of a subject suffering from or prone to Alzheimer's disease comprising administering to that subject an effective amount of a compound according to claim 1.